



Express Mail Mailing Label No.: EL988704633US

PATENT

Attorney Docket No. MFL-004  
5407/11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Zheng et al. CONFIRMATION NO.: 3942  
SERIAL NO.: 10/791,218 GROUP NO.: 1732  
FILING DATE: March 2, 2004 EXAMINER: Not yet assigned  
TITLE: Apparatus and Methods for Predicting Properties of Processed Material

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the foreign patent documents and non-patent publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

(2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and

the requisite Statement is below, **OR**

the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

(3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**

- the requisite Statement is below, AND
- the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

#### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

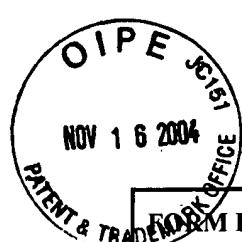


William R. Haulbrook  
Attorney for Applicants  
Testa, Hurwitz, & Thibeault, LLP  
High Street Tower  
125 High Street  
Boston, Massachusetts 02110

Date: November 16, 2004  
Reg. No. 53,002

Tel. No.: (617) 310-8427  
Fax No.: (617) 248-7100

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Sheet 1 of 1

FORM PTO - 1449  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT					ATTORNEY DOCKET NO.: MFL-004
					APPLICANT(S): Zheng <i>et al.</i>
					SERIAL NO.: 10/791,218
					FILING DATE: March 2, 2004
					GROUP: 1732

#### U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A40	6,136,235	10/24/2000	Saito <i>et al.</i>			07/01/1998

#### FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
/	B13	09262887	10/07/1997	JP				Y	Y (Abstract Only)
/	B14	10138312	05/26/1998	JP				Y	Y (Abstract Only)
/	B15	10156885	06/16/1998	JP				N	Y (Abstract Only)
/	B16	2002219739	08/06/2002	JP				N	Y (Abstract Only)

#### OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
/ C98	Bird <i>et al.</i> , <u>Dynamics of Polymeric Liquids</u> , 2 <sup>nd</sup> ed. Vol. 2, John Wiley & Sons, New York (1987).	
/ C99	Guo <i>et al.</i> , "Numerical Simulation of Injection Molding of Semicrystalline Thermoplastics," <u>Antec, Plastic the Lone Star 2001</u> , 1:1-5 (2001).	
/ C100	Guo <i>et al.</i> , "On the Prediction of Crystallinity Distribution in Injection Molded Semi-Crystalline Thermoplastics," <u>Antec 2000, Plastic the Magical Solution</u> , 1:1-5 (2000).	
/ C101	Liu, "Isothermal Flow Simulation of Liquid Composite Molding," <u>Composites</u> , Part A 31:1295-1302 (2000).	
/ C102	Muslet <i>et al.</i> , "Computer Simulation of the Film Blowing Process Incorporating Crystallization and Viscoelastic Effects," <u>Antec</u> , 3:3241-3245 (2003).	
/ C103	Pouzada <i>et al.</i> , "The Use of Morphology Data in the Design of Injection Moulded Flat Products," <u>Antec, Plastics Bridging the Millennium</u> , 3:1-5 (1999).	
/ C104	Tanner, "Engineering Rheology, 2 <sup>nd</sup> ed.," Oxford University Press, London (2000).	
/ C105	Zheng <i>et al.</i> , "A Model for Post-Flow Induced Crystallization: General Equations and Predictions," <u>The Society of Rheology, Inc.</u> , 48(4):823-842 (2004).	
/ C106	Ziabicki, "Fundamentals of Fiber Formation," (Wiley, New York, 1976).	
/ C107	International Search Report for International Application No. PCT/US2004/006256, dated August 16, 2004 (6 pages).	

EXAMINER	DATE CONSIDERED
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**TRANSMITTAL  
FORM**  
O 1 P E  
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PARENT & TRADEMARK OFFICE

Application Serial Number	10/791,218
Filing Date	March 2, 2004
First Named Inventor	Zheng
Group Art Unit	1732
Examiner Name	Not yet assigned
Attorney Docket No.	MFL-004
Patent No.	Not applicable
Issue Date	Not applicable

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <li><input type="checkbox"/> Check Attached</li> <li><input type="checkbox"/> Copy of Fee Transmittal Form</li> </ul>	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <ul style="list-style-type: none"> <li><input type="checkbox"/> Preliminary</li> <li><input type="checkbox"/> After Final</li> <li><input type="checkbox"/> Affidavits/declaration(s)</li> <li><input type="checkbox"/> Letter to Official Draftsperson including Drawings</li> <li>[Total Sheets _____]</li> </ul>	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Form PTO-1449</li> <li><input checked="" type="checkbox"/> Copies of IDS Citations B13-B16 and C98-C107</li> </ul>	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure (please identify below)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD(s) for large table or computer program	
<input type="checkbox"/> Sequence Listing submission <ul style="list-style-type: none"> <li><input type="checkbox"/> Paper Copy/CD</li> <li><input type="checkbox"/> Computer Readable Copy</li> <li><input type="checkbox"/> Statement verifying identity of above</li> </ul>	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <ul style="list-style-type: none"> <li><input type="checkbox"/> Certificate of Correction (in duplicate)</li> </ul>	

**CORRESPONDENCE ADDRESS****SIGNATURE BLOCK**

Direct all correspondence to: Patent Administrator  
 Testa, Hurwitz & Thibeault, LLP  
 High Street Tower  
 125 High Street  
 Boston, MA 02110  
 Tel. No.: (617) 248-7000  
 Fax No.: (617) 248-7100

Date: November 16, 2004  
 Reg. No.: 53,002  
 Tel. No.: (617) 310-8471  
 Fax No.: (617) 248-7100

Respectfully submitted,

William R. Haulbrook, Ph.D.  
 Attorney for Applicants  
 Testa, Hurwitz & Thibeault, LLP  
 High Street Tower  
 125 High Street  
 Boston, MA 02110